

California Department of Public Health, Drinking Water Field Operation Branch

Drought Activities and Funding Updates

Steve Williams, P.E., District Engineer
Southern California Drinking Water
Field Operations Branch

Background:

- February 28, 2008 Governor directs state agencies achieve 20 percent reduction in urban statewide average per capita water use by year 2020 (20 by 2020 Plan)

February 27, 2009 Governor issues drought proclamation.

Governor's Drought Proclamation

Directives included:

- 11. The Department of Public Health shall evaluate the adequacy of emergency interconnections among the state's public water systems, and provide technical assistance and continued financial assistance from existing resources to improve or add interconnections.

CDPH-Drought Activities Include:

- Member 20 by 2020 Team,
- Evaluated system emergency interconnections,
- Created list of systems most at risk to water supply problems due to continued drought conditions,
(Posted on CDPH web site)

Ongoing Activities:

- Evaluate source & storage capacities,
- Encourage installation of meters on all sources & service connections,
- Encourage installation of interconnections between water systems,
- Encourage systems to identify, plan & fund additional local sources of supply,
- Encourage redundant sources of supply,

More Ongoing Activities:

- Focused additional attention on evaluating overall reliability of each public water system's sources of supply:
 - Evaluate piped interconnections with other water systems to identify emergency versus routine connection, and any limitations to use,
 - Evaluate individual source capacities and ability to continue to supply water demands with highest capacity source out of service,

Activities Continued:

- Evaluate types of sources and any limitations;
 - GW: hard rock versus alluvial wells & impact of declining water tables, reduced well pumping capacities,
 - SW: Impact of reduced availability of CRW, SPW, or other local supplies.
- Evaluate the overall adequacy of sources plus interconnections and provide guidance & direction regarding system's ability to continue to reliably meet water supply demands,

Activities Continued:

- Encourage installation of meters on all sources of supply and all service connections to provide necessary data for water audits, leak detection and to identify wasted or lost water,
- Work closely with Regional Board's to review & approve recycled water use proposals and recycled water use sites to free up potable supplies.

CDPH Funding Programs:

SDWSRF, ARRA, Prop 50, & Prop 84

Projects are ranked based on public health risk,

On-line universal pre-application used for all,

Open pre-application period is announced on CDPH web page.

(Not presently accepting any new pre-applications.)

Continued:

- **SDWSRF**

Cat E-Water outages due to inadequate source capacity or delivery capability,

Cat H-Installation of service meters added,

Additional revisions underway to allow more flexible use of SDWSRF Funds to address California's unique water supply situation.

Continued:

- **ARRA**

- Implemented under SDWSRF,
- \$160 M, ~2400 projects =\$6.8 B,
- Deadline to apply was Feb 27, 2009,
- Invited project list posted on CDPH Website,
- Will process projects until funds exhausted,
- Remaining projects added to SDWSRF.

Continued:

■ **Prop 50**

- Grant funds, most sections require 50% match except for SWS and disadvantaged communities,
- All Prop 50 funds are presently committed.

Prop 50 Fund is presently frozen with no payments being made until State issues new bonds to replenish account.

Continued:

■ **Prop 84**

- Grant funds, no match required,
- Est. \$10M Emergency Grant Fund,
- Est. \$180M SWS, Chemical & Nitrate Treatment,
- Est. \$60M to Reduce Contamination of GW,
- State funds, limited federal requirements.

Prop 84 Fund is presently frozen with no payments being made until State issues new bonds to replenish account.

References:

SWRCB Website (20 by 2020 Plan):

http://www.swrcb.ca.gov/water_issues/hot_topics/20x2020/index.shtml

ACWA Website

(Conservation Info by Agency):

<http://www.acwa.com/issues/cadrought/map.asp>

QUESTIONS?

CDPH Website:

<http://www.cdph.ca.gov/certlic/drinkingwater/Pages/DroughtPreparedness.aspx>